BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains at Bellahalli in Ward No. 05 Byatarayanapura Sub Division

			Estimate Cost Rs.					6000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2015-16	cum							
	Deslilting Of Drains								
	Bellahalli 1st main		1	200.00	0.40	0.35	28.00		
	Road Surface								
	Navab House Road		1	90.00	6.00	0.30	162.00		
	Vakar Hosue Road		1	100.00	6.00	0.30	180.00		
	Near Govt Urdu School		1	20.00	5.00	0.30	30.00		
	SC Colony Road		1	30.00	3.00	0.30	27.00		
							427.00	83.16	**35509.00**
	Basic Rate	77.00							
	Area Weightage @ 8%	6.16							
	Total	**83.16**							
2	Removing B.S Slab of Drain and stacking Page No. 28/ Item No. 5.32/ PWD SR 2015-	Sqm							
	Bellahalli 1st main		1	180.00	1.65		297.00		
			1	250.00	1.65		412.50		
							709.50		
	Deduct 20% Missing Slabs						141.90		
							567.60	63.72	**36167.00**
	Basic Rate	59.00							
	Area Weightage @ 8%	4.72							
	Total	**63.72**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 28/ Item No. 5.33/ PWD SR 2015-16	Sqm							
			Qty Vide Item No.2				567.60		
							567.60	**78.84**	**44750.00**
	Basic Rate	73.00							
	Area Weightage @ 8%	5.84							
	Total	**78.84**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2015-16	Cum							
	For new Slab Drain								
	Navab House Road		1	90.00	0.75	0.75	50.63		
	Vakar Hosue Road		1	54.00	0.75	0.75	30.38		
	1st Main Road		1	150.00	0.75	0.75	84.38		
			1	220.00	0.75	0.75	123.75		
	Culverts		10	6.50	1.95	1.10	139.43		
	For Raising Course Drain								
	Navab House Road		2	90.00	0.25	0.30	13.50		
	Vakar Hosue Road		2	54.00	0.25	0.30	8.10		
	1st Main Road		2	150.00	0.25	0.30	22.50		
			2	220.00	0.25	0.30	33.00		
							505.65	83.16	**42050.00**
	Basic Rate	77.00							
	Area Weightage @ 8%	6.16							
	Total	**83.16**							
5	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2015-16	**Sqm**							
	For Missing slabs (20%)		Missing Slabs				141.90		
	For New Slab Drains								
	Navab House Road		1	90.00	1.65		148.50		
	Vakar Hosue Road		1	54.00	1.65		89.10		
	1st Main Road		1	150.00	1.65		247.50		
			1	220.00	1.65		363.00		
							990.00	663.12	**656489.00**
	Basic Rate	614.00							
	Area Weightage @ 8%	49.12							
	Total	**663.12**							
6	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2015-16	**Cum**							
	Concrete Road								
	Navab House Road		1	90.00	6.00	0.15	81.00		
	Vakar Hosue Road		1	100.00	6.00	0.15	90.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Near Govt Urdu School		1	20.00	5.00	0.15	15.00		
	SC Colony Road		1	30.00	3.00	0.15	13.50		
	For Culverts		10	6.50	1.95	0.15	19.01		
	For Raising Course Drain								
	Navab House Road		2	90.00	0.25	0.15	6.75		
	Vakar Hosue Road		2	54.00	0.25	0.15	4.05		
	1st Main Road		2	150.00	0.25	0.15	11.25		
			2	220.00	0.25	0.15	16.50		
							257.06	5070.60	**1303461.00**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							
7	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2015-16	cum							
	Culverts		10X2	6.50	0.60	0.45	35.10		
							35.10	4135.32	**145150.00**
	Basic Rate	3829.00							
	Area Weightage @ 8%	306.32							
	Total	**4135.32**							
8	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2015-16	**Sqm**							
			10X2	6.50	0.50	0.45	29.25		
							29.25	**4905.36**	**143482.00**
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	**4905.36**							
9	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2015-16	**Sqm**							
	1st main Road		10	6.50	0.60		39.00		
	For Sides		10X2	6.50	0.23		29.90		
							68.90	**270.00**	**18603.00**
	Basic Rate	**250.00**							
	Area Weightage @ 8%	20.00							
	Total	**270.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Culverts		10	6.50	1.65	0.23	24.67		
							24.67	6198.12	**152892.00**
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							
13	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR	**Qtl**							
	0.95 Ton/Cum		0.095	24.67			**2.34**	58852.71	**137916.00**
	Basic Rate	54493.3							
	Area Weightage @ 8%	4359.46							
	Total	**58852.71**							
14	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2015-16	Cum							
	Navab House Road		1	90.00	6.00	0.10	54.00		
	Vakar Hosue Road		1	100.00	6.00	0.10	60.00		
	Near Govt Urdu School		1	20.00	5.00	0.10	10.00		
	SC Colony Road		1	30.00	3.00	0.10	9.00		
							133.00	6332.04	**842161.00**
	Basic Rate	5863.00							
	Area Weightage @ 8%	469.04							
	Total	**6332.04**							
15	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 233/ Item No. 31.3 PWD SR 2015-16	M							
	Navab House Road		18	6.00			108.00		
	Vakar Hosue Road		20	6.00			120.00		
	Near Govt Urdu School		4	5.00			20.00		
	SC Colony Road		6	3.00			18.00		
							266.00	138.24	**36772.00**
	Basic Rate	128.00							
	Area Weightage @ 8%	10.24							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2015-16	cum							
	Culverts		10X2	6.50	0.50	0.10	6.50		
	Vent Bed		10	6.50	0.60	0.10	3.90		
	For Raising Course Drain Coaping								
	Navab House Road		2	90.00	0.25	0.10	4.50		
	Vakar Hosue Road		2	54.00	0.25	0.10	2.70		
	1st Main Road		2	150.00	0.25	0.10	7.50		
			2	220.00	0.25	0.10	11.00		
							36.10	5491.80	**198254.00**
	Basic Rate	5085.00							
	Area Weightage @ 8%	406.80							
	Total	**5491.80**							
11	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2015-16	Sqm							
	Culverts		10X2	6.50		0.50	65.00		
							65.00	99.36	**6458.00**
	Basic Rate	92.00							
	Area Weightage @ 8%	7.36							
	Total	**99.36**							
12	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16	**Cum**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**138.24**							
16	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2015-16	Sqm							
	Navab House Road		1	90.00	6.00		540.00		
	Vakar Hosue Road		1	100.00	6.00		600.00		
	Near Govt Urdu School		1	20.00	5.00		100.00		
	SC Colony Road		1	30.00	3.00		90.00		
							1330.00	97.20	**129276.00**
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	**97.20**							
17	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 24/ Item No. 5.27/ PWD SR 2015-16	Sqm							
	For Raising Course Drain								
	Navab House Road		2	90.00		0.40	72.00		
	Vakar Hosue Road		2	54.00		0.40	43.20		
	1st Main Road		2	150.00		0.40	120.00		
			2	220.00		0.40	176.00		
							411.20	1018.44	**418783.00**
	Basic Rate	943.00							
	Area Weightage @ 8%	75.44							
	Total	**1018.44**							
18	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
	For Raising Course Drain								
	Navab House Road		1	90.00	0.90		81.00		
	Vakar Hosue Road		1	54.00	0.90		48.60		
	1st Main Road		1	150.00	1.20		180.00		
			1	220.00	1.20		264.00		
			1	11.00	0.90		9.90		
							583.50	1856.67	**1083367.00**
	Data Rate	**1856.67**							
19	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum					427		31325.00
			Qty. Vide Item No. 1+4				**932.65**		
							932.65	73.36	**68419.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.36					427		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			Qty. Vide Item No. 1				906.03	904.47	
							906.03	73.36	66466.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.36							
	PWD SR 2015-16 (P.118/I.17.1) For loading	68.00							
	Total	**73.36**							
							Grand Total		5937245.00
21	For 1% Third Party Inspection Charges + 8% KRIDL charges								59372.00
22	Miscesallaneous Charges	L/S							3383.00
									6000000.00

Rupees Sixty Lakh(s) Only

Certificate:

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per PWD SR of 2015-16
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 05(Jakkur)
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Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division
B.B.M.P. Bangalore

ADMINISTRATIVE APPROVAL

Accorded For Rs. Sixty lakhs only

Head of A/c. P-3112

Div. Ref. No. 50/16-17 Date. 15/09/16

AE 15/09

EE(BTP) 15/9

Technical Sanction
Accorded For 60.00 lakhRs
Head of A/C. P3112
CER NO : 62 Dt:. 21.10.16

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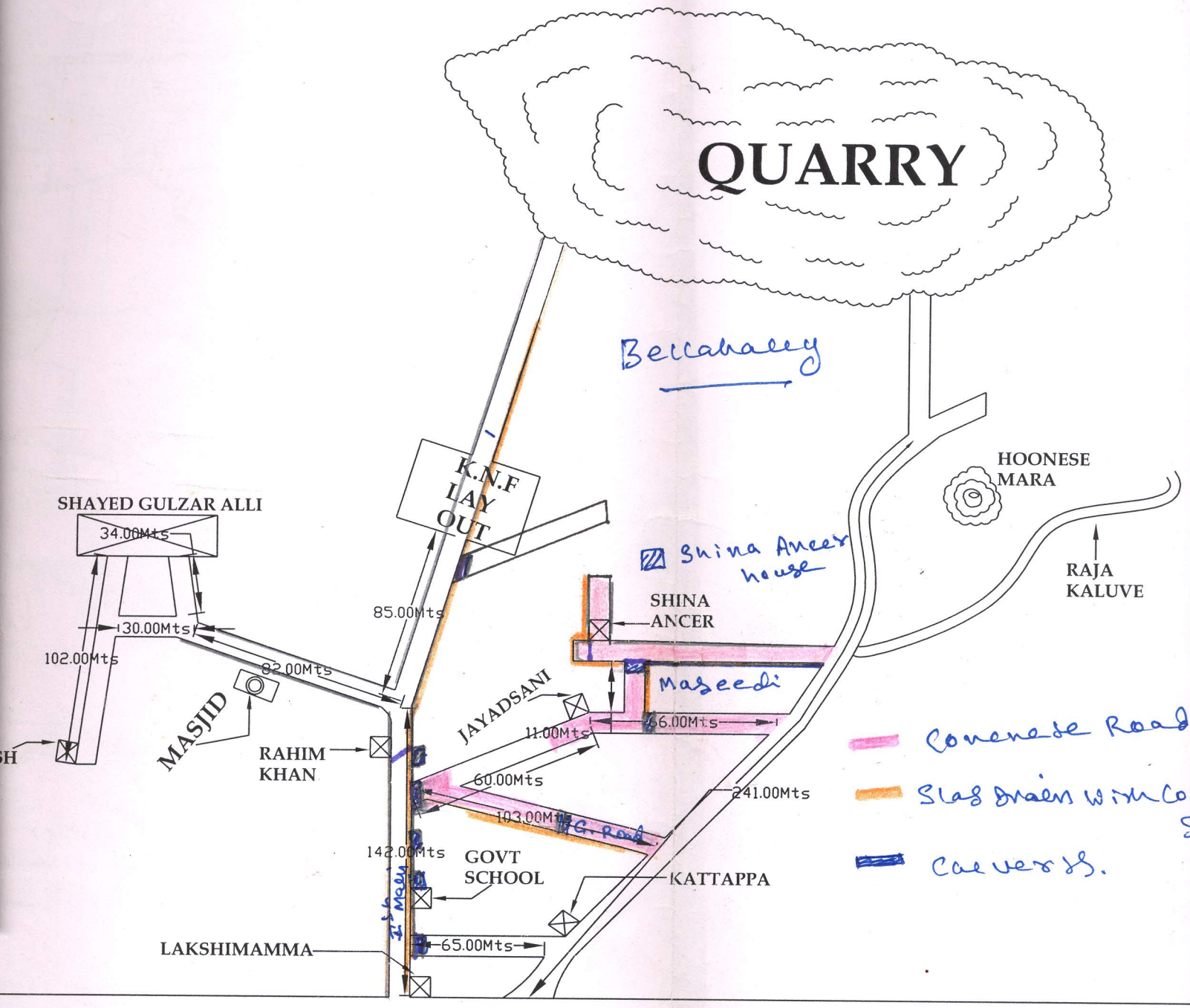

BELLAHALLI CROSS TO KANOOR

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

LA HALLI WARD NO-5, (JAKKUR) BBMP